

FIG.1

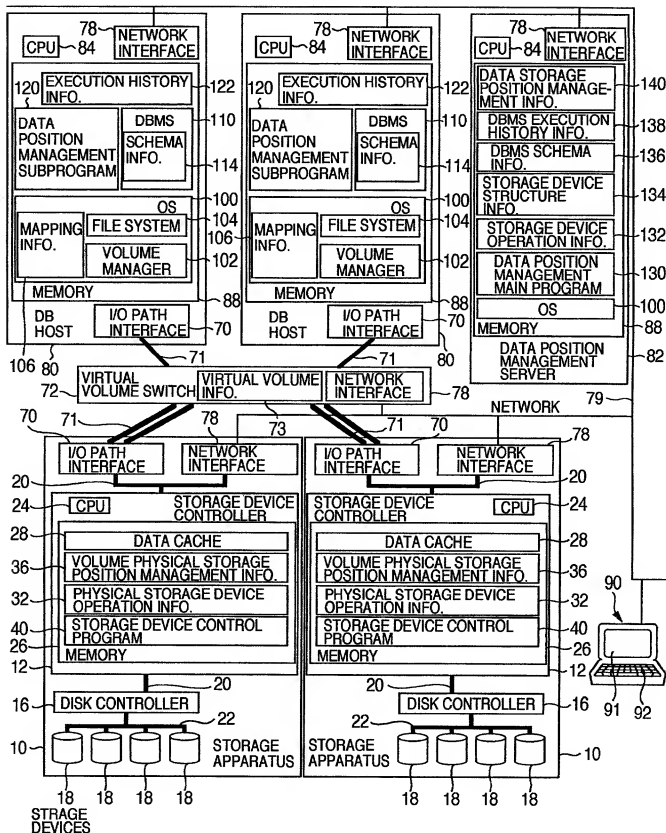


FIG.2

501 VOLUME NAME	502 PHYSICAL STORAGE DEVICE NAME	503 CUMULATIVE OPERATION TIME
Vol0-0	Pdisk0-0	23417390
	Pdisk0-1	38902849
Vol0-1	Pdisk0-0	8290181
	Pdisk0-1	13908202

32

PHYSICAL STORAGE DEVICE
OPERATION INFO.

FIG.3

501 VOLUME NAME	512 VOLUME LOGICAL BLOCK NUMBER	502 PHYSICAL STORAGE DEVICE NAME	514 PHYSICAL BLOCK NUMBER
Vol0-0	0-10239	Pdisk0-0	0-10239
	10240-20479	Pdisk0-1	0-10239
Vol0-1	0-10239	Pdisk0-0	10240-20479
	10240-20479	Pdisk0-1	10240-20479
...	:	:	:
Empty		Pdisk0-0	40960-122880
		Pdisk0-1	40960-122880

510

515

VOLUME PHYSICAL STORAGE
POSITION MAIN INFO.

501 VOLUME NAME	782 MIGRATION LOGICAL BLOCK NUMBER	783 MIGRATION DESTINATION PHYSICAL STORAGE DEVICE NAME	784 MIGRATION DESTINATION PHYSICAL BLOCK NUMBER	785 DIFFERENCE MANAGEMENT INFO.	786 COPY POINTER
Vol0-1	8192-10239	Pdisk0-1	38912-40559	0 1 ... 0	9840
Vol0-2	0-8191	Pdisk0-1	30720-38911	0 0 ... 1	1792
...	:	:	:	:	:

511

36

VOLUME DATA MIGRATION MANAGEMENT INFO.

VOLUME PHYSICAL STORAGE POSITION MANAGEMENT INFO.

FIG. 4

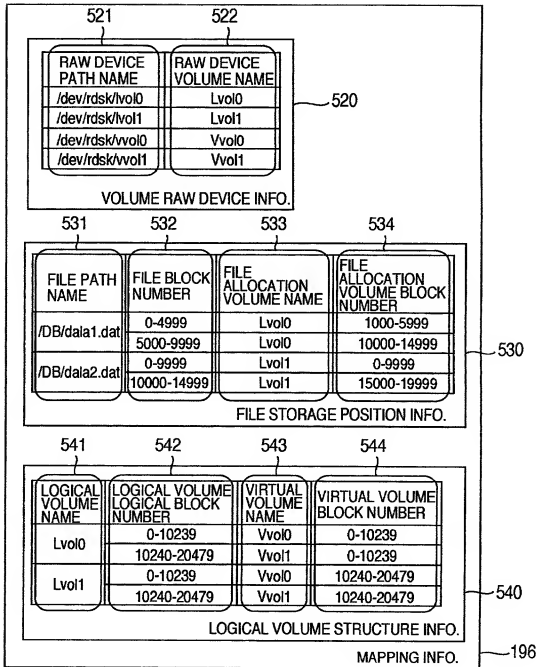


FIG.5

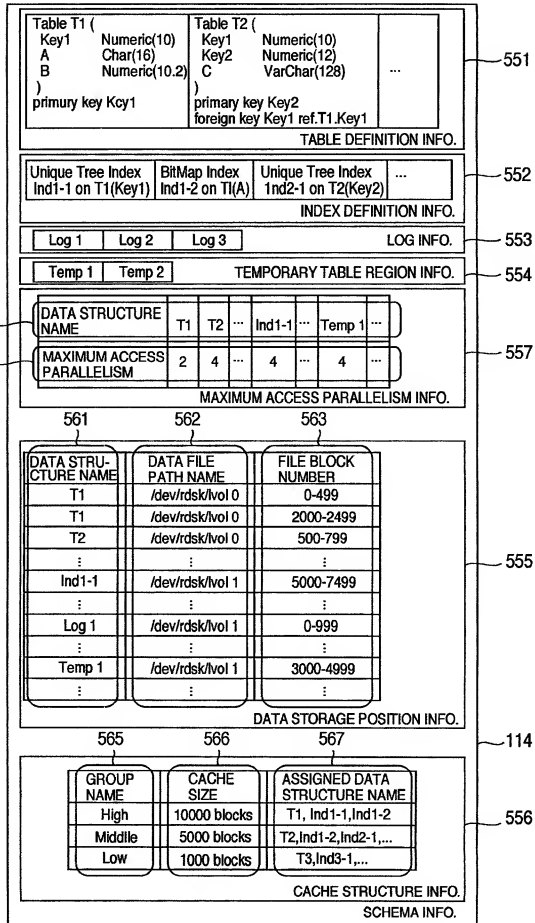


FIG.6

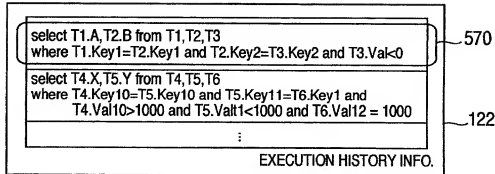


FIG.7

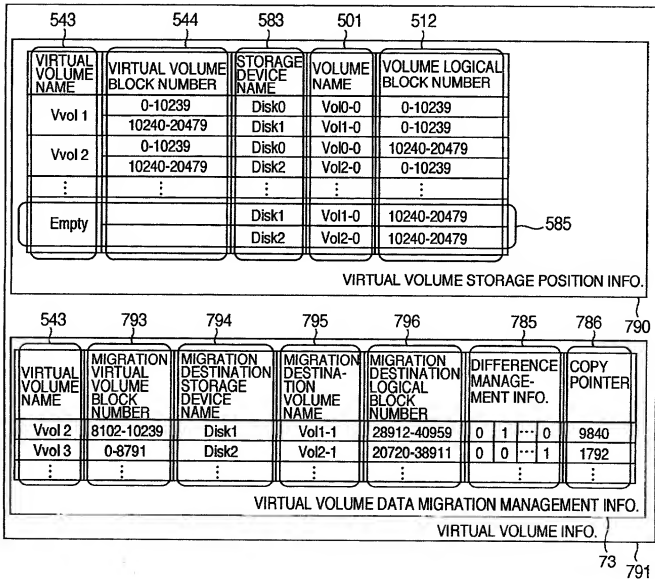


FIG.8

STORAGE DEVICE NAME	Disk0	Disk0	Disk0	...	Disk2	...	583
VOLUME NAME	Vol0-0	Vol0-0	Vol0-1	...	Vol2-0	...	501
PHYSICAL STORAGE DEVICE NAME	Pdisk0-0	Pdisk0-1	Vdisk0-0	...	Pdisk2-0	...	502
OLD CUMULATIVE OPERATION TIME	23917390	38902849	8012891	...	128928479	...	503
OPERATION RATE	2000/4/1 12:00~ 2000/4/1 12:15	20%	12%	4%	...	50%	
	2000/4/1 12:15~ 2000/4/1 12:30	15%	10%	7%	...	40%	
	2000/4/1 12:30~ 2000/4/1 12:45	16%	9%	5%	...	43%	
	⋮	⋮	⋮	⋮	⋮	⋮	
PREVIOUS CUMULATIVE OPERATION TIME ACQUISITION TIME							595
STORAGE DEVICE OPERATION INFO.							132

FIG.9

583	601	602	603
STORAGE DEVICE NAME	MIGRATION FUNCTION INFO.	DATA CACHE CAPACITY	STORAGE DEVICE VOLUME PHYSICAL STORAGE POSITION MANAGEMENT INFO.
Disk0		4096MS	VOLUME PHYSICAL STORAGE POSITION MAIN INFO. 510 IN DISK0
Disk1			STORAGE POSITION INFO. ACCORDING TO KNOWN RULE
⋮	⋮	⋮	⋮
STORAGE DEVICE STRUCTURE INFO.			

FIG.10

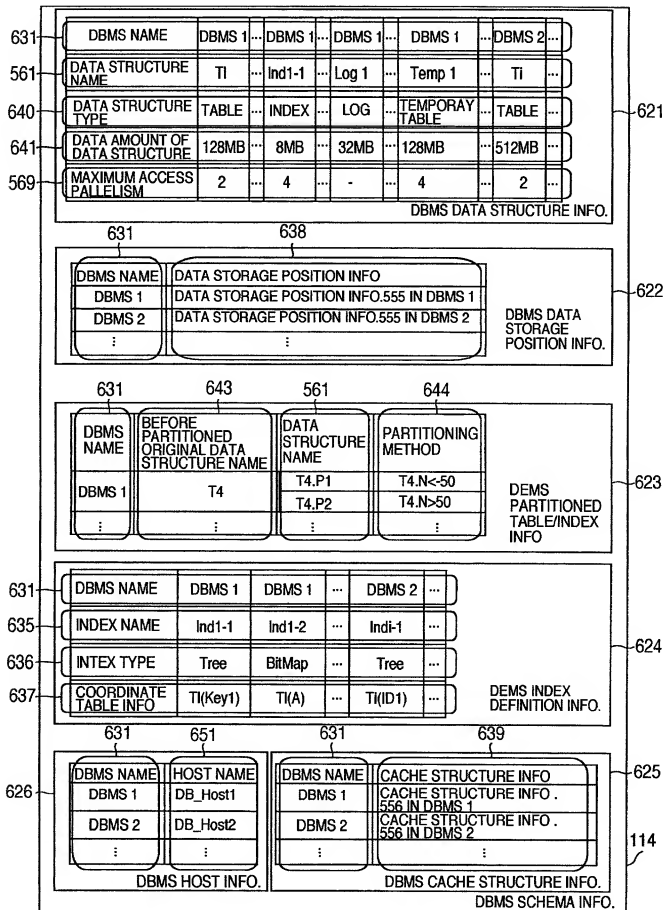


FIG.11

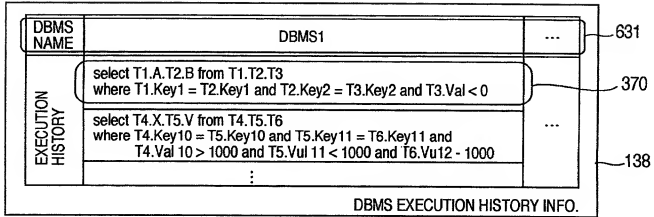


FIG.12

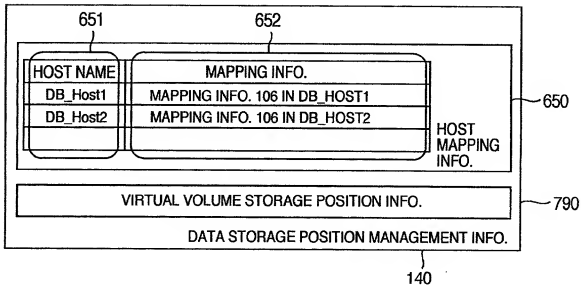


FIG.13

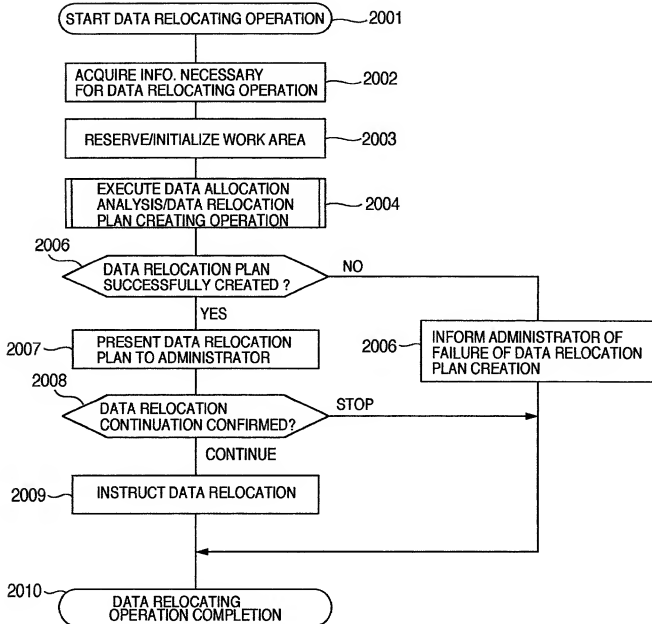


FIG.14

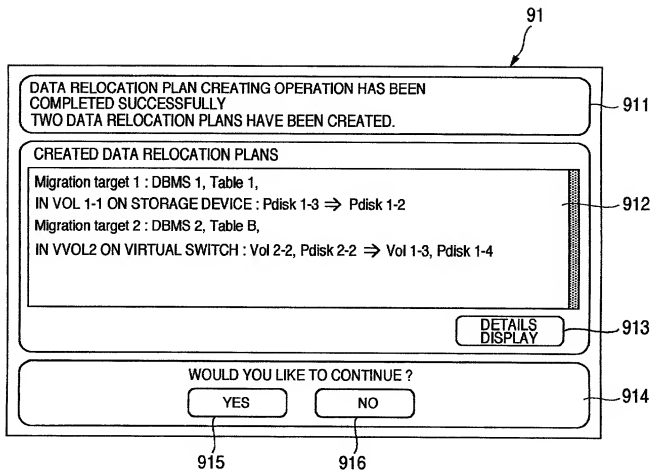


FIG.15

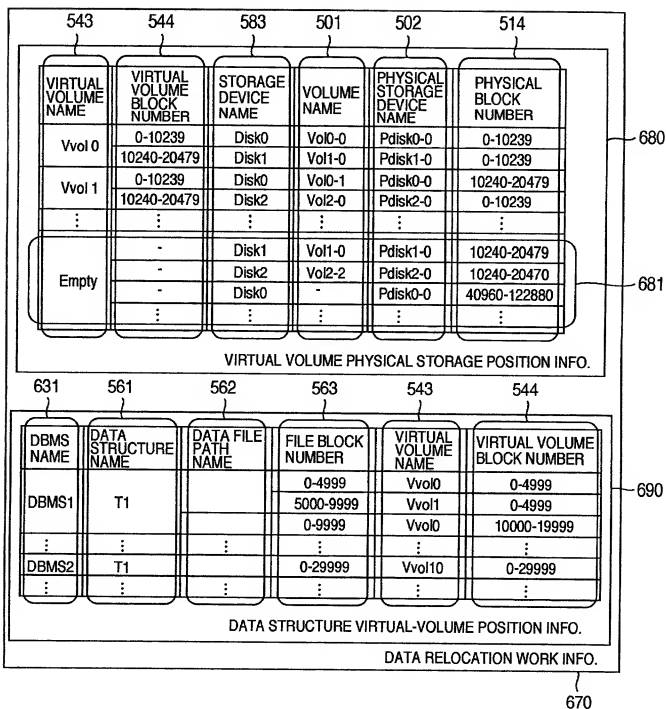


FIG.16

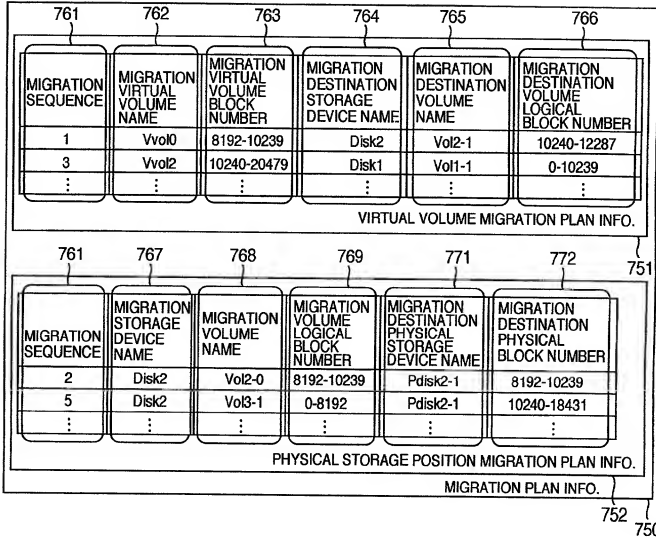


FIG.17

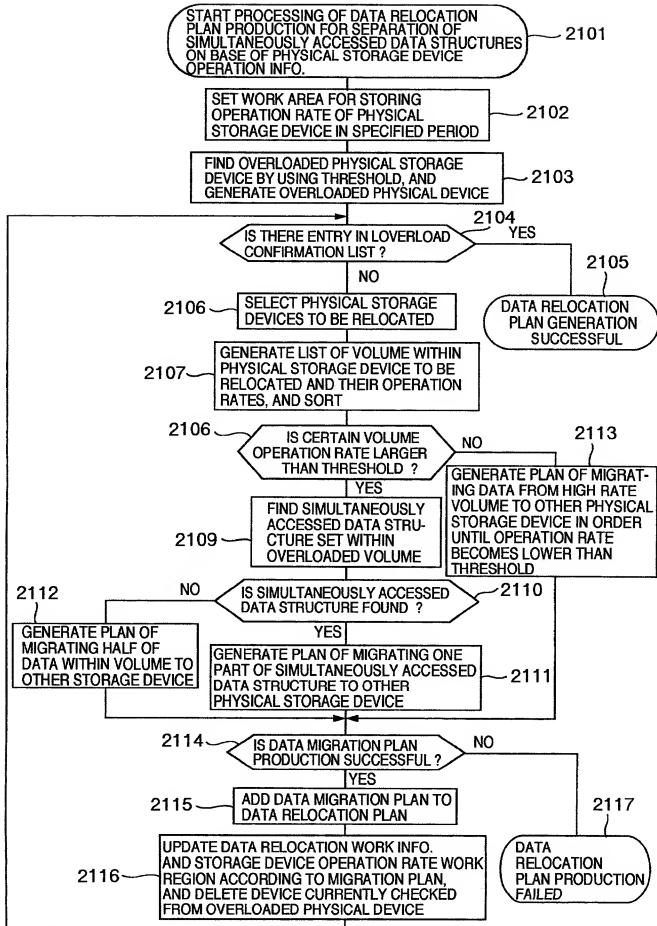


FIG.18

631	701	702	703	
DBMS NAME	DATA STRUCTURE NAME A	DATA STRUCTURE NAME B	COUNT VALUE	
DBMS1	T1	Ind1-1	2789	
:	:	:	:	
DBMS2	Ti	Ind i-1	829	
:	:	:	:	

700

QUERY EXECUTION SIMULTANEOUS ACCESS DATA COUNT INFO.

FIG.19

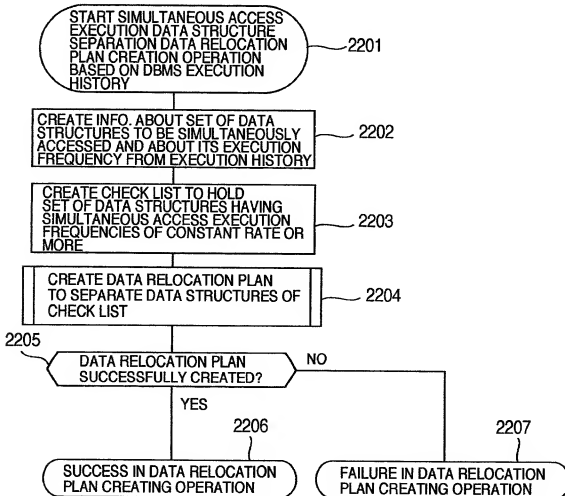


FIG.20

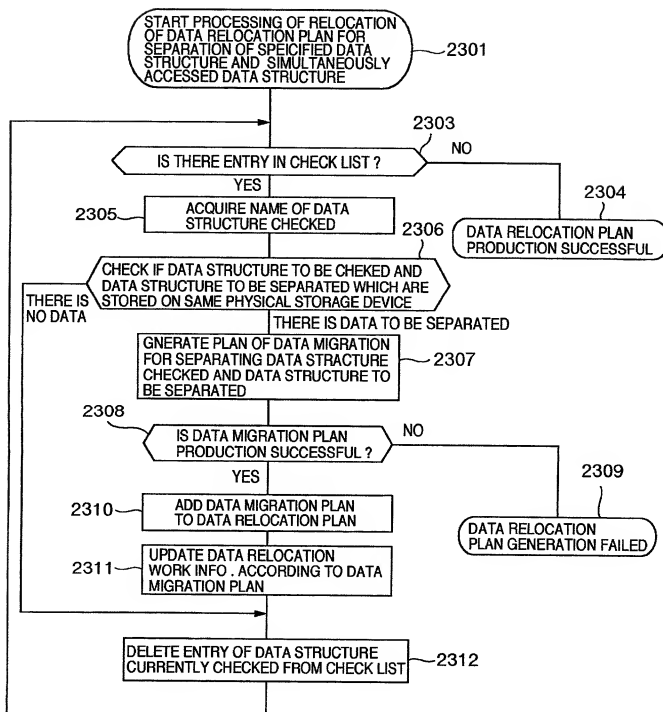


FIG.21

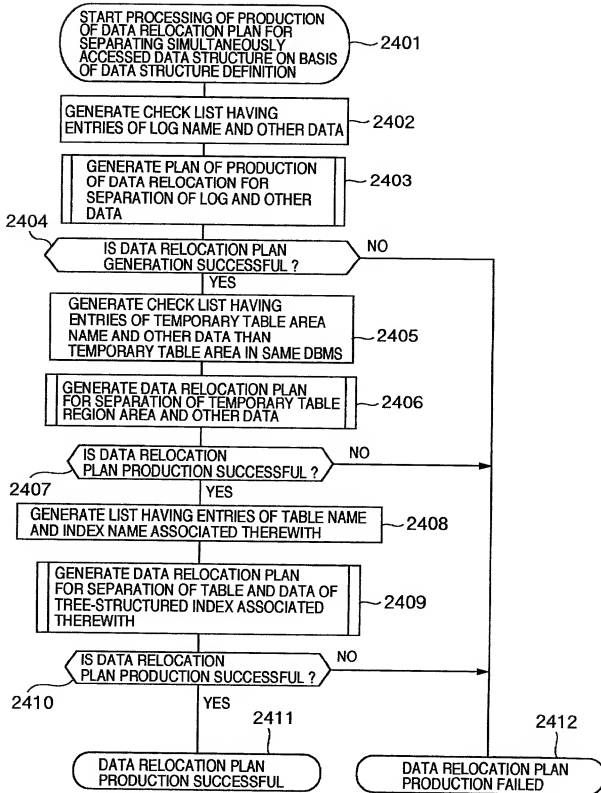


FIG.22

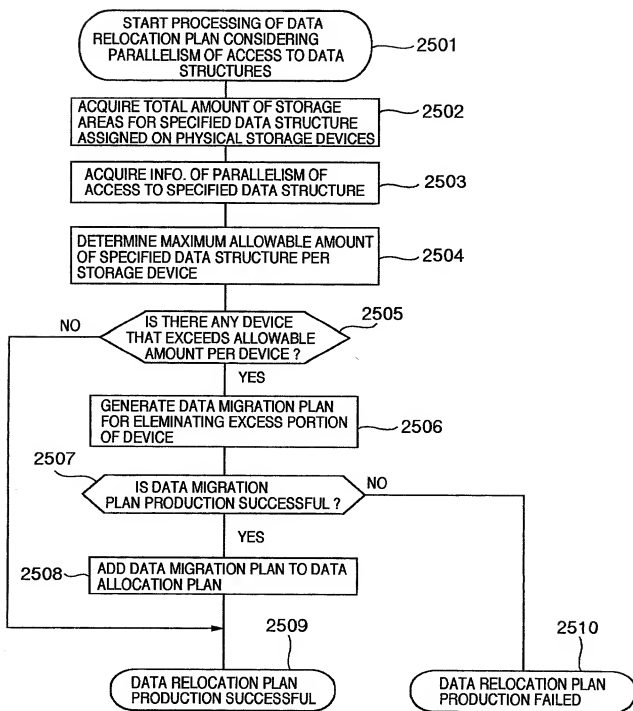


FIG.23

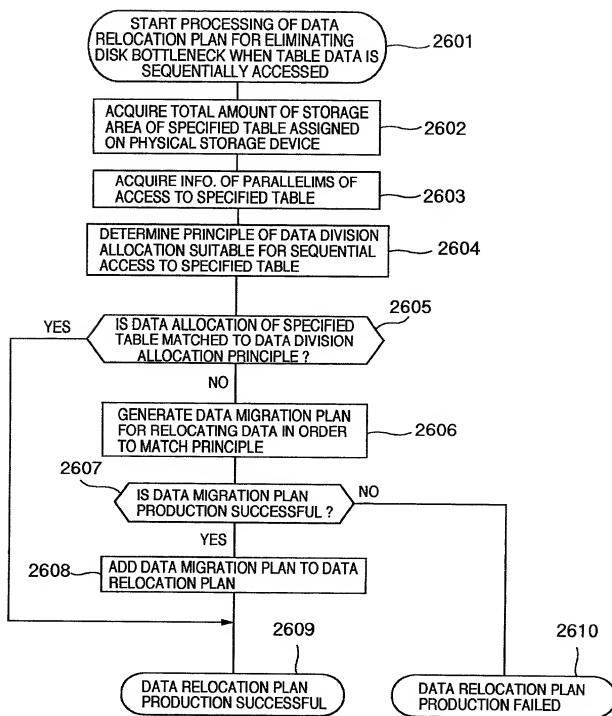


FIG.24

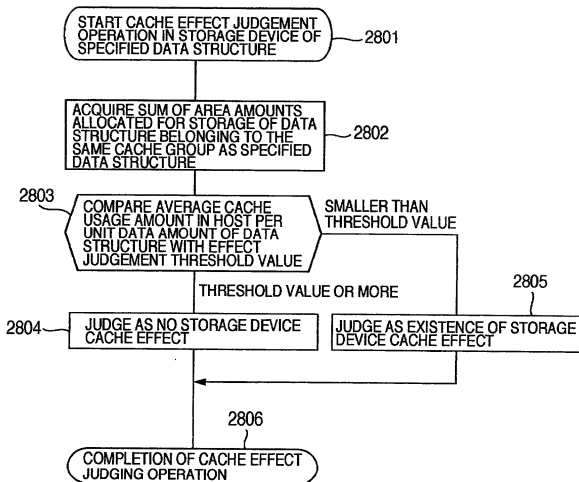


FIG.25

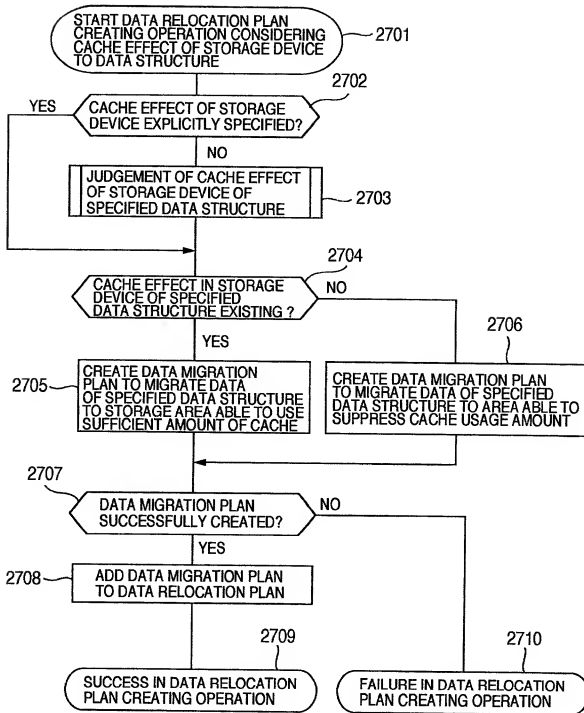


FIG.26

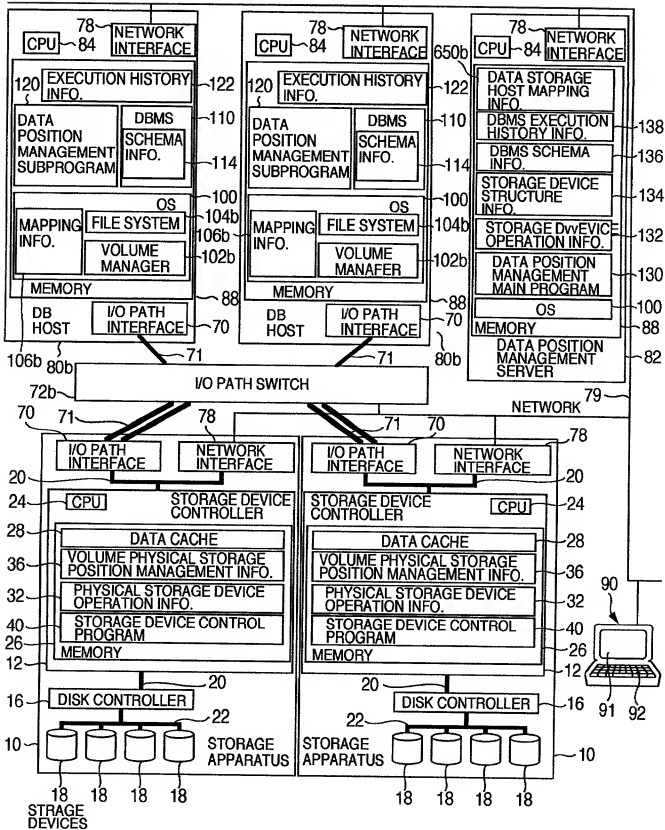


FIG.27

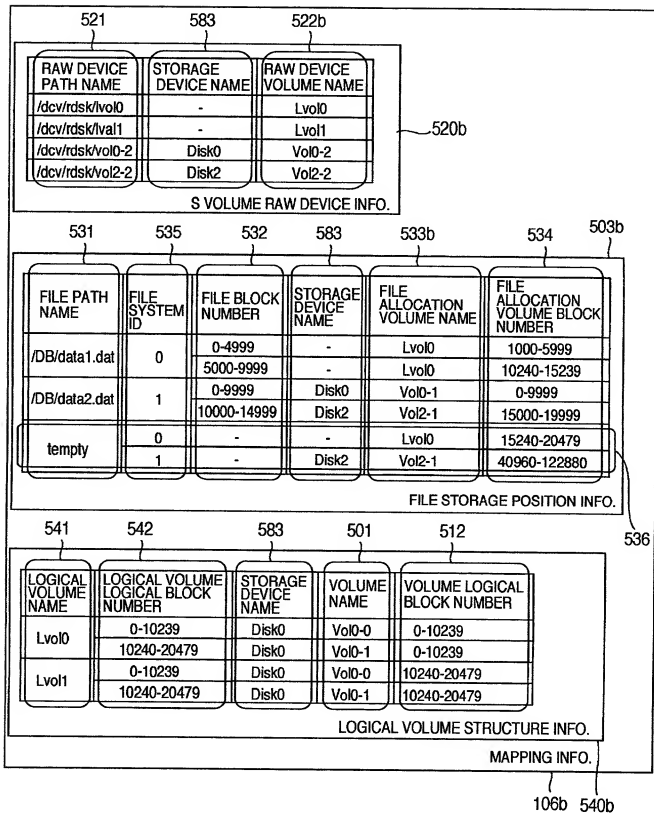


FIG.28

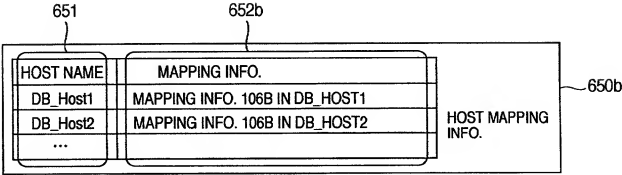


FIG.29

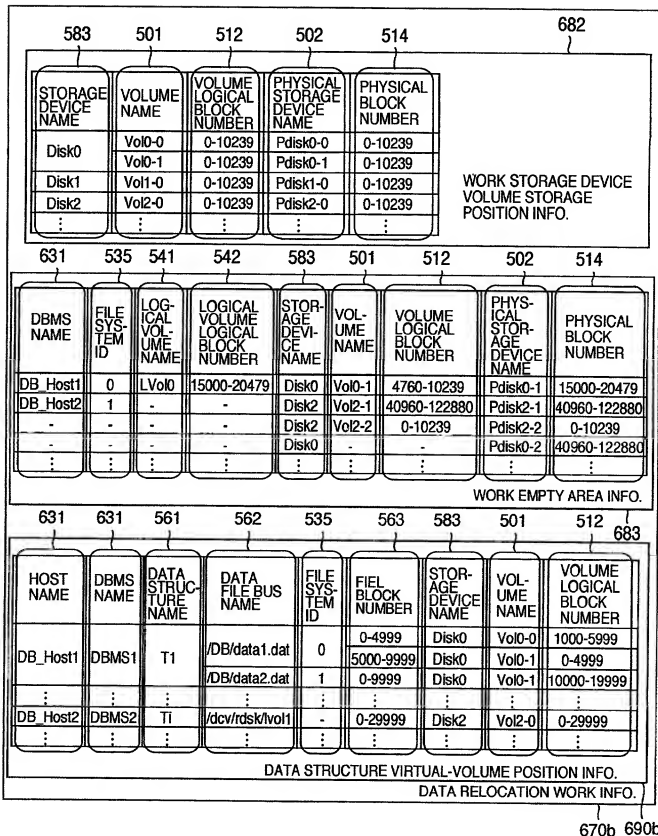


FIG.30

761	631	773	774	764	765	766	753
MIGRATION SE- QUENCE	DBMS NAME	MIGRA- TION LOGICAL VOLUME NAME	MIGRATION LOGICAL VOLUME BLOCK NUMBER	MIGRATION DESTINATION STORAGE DEVICE NAME	MIGRATION DESTINATION VOLUME NAME	MIGRATION DESTINATION VOLUME LOGICAL BLOCK NUMBER	
1	DB_Host1	Lvol0	8192-10239	Disk2	Vol2-1	10240-12287	
4	DB_Host2	Lvol2	10240-20479	Disk2	Vol2-1	0-10239	
:	:	:	:	:	:	:	

LOGICAL VOLUME MIGRATION PLAN INFO.

761	631	535	775	776	764	765	766	754
MIGRATION SE- QUENCE	HOST NAME	FILE SYS- TEM ID	MIGRATION DATA FILE PATH NAME	MIGRATION FILE BLOCK NUMBER	MIGRA- TION DESTI- NATION STOR- AGE DEVICE NAME	MIGRA- TION DESTI- NATION VOLUME NAME	MIGRATION DESTINATION VOLUME LOGICAL BLOCK NUMBER	
3	DB_Host1	1	/DB/data2.dat	8192-10239	Disk2	Vol2-1	40960-43007	
5	DB_Host1	0	/DB/data1.dat	1000-5999	-	LVol0	15240-20219	
:	:	:	:	:	:	:	:	

FILE BLOCK MIGRATION PLAN INFO.

761	767	768	769	771	772	752
MIGRATION SE- QUENCE	MIGRA- TION STORAGE DEVICE NAME	MIGRA- TION VOLUME NAME	MIGRATION VOLUME LOGICAL BLOCK NUMBER	MIGRATION DESTINATION PHYSICAL STORAGE DEVICE NAME	MIGRATION DESTINATION PHYSICAL BLOCK NUMBER	
2	Disk2	Vol2-0	8192-10239	Pdisk2-1	8192-10239	
6	Disk2	Vol2-1	0-8192	Pdisk2-1	10240-18431	
:	:	:	:	:	:	

PHYSICAL STORAGE POSITION MIGRATION PLAN INFO.

MIGRATION PLAN INFO.

FIG.31

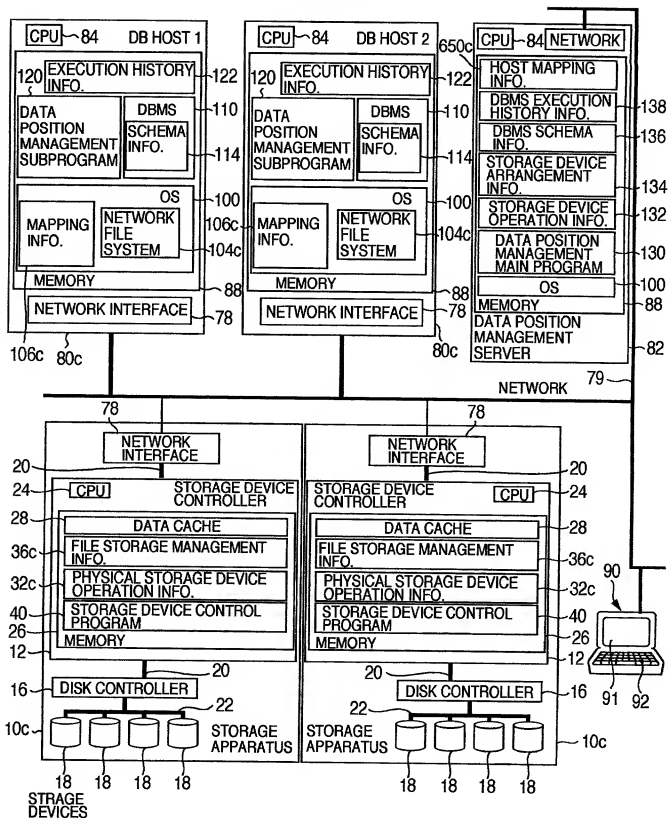


FIG.32

1001 FILE SYSTEM NAME	502 PHYSICAL STORAGE DEVICE NAME	503 CUMULATIVE OPERATION TIME
FS0-0	Pdisk0-0	23917390
	Pdisk0-1	38902849
FS0-1	Pdisk0-0	8290181
	Pdisk0-1	13908202

PHYSICAL STORAGE DEVICE INFO.

FIG.33

1001 FILE SYSTEM NAME	1002 FILE PATH NAME	1003 FILE BLOCK NUMBER	502 PHYSICAL STORAGE DEVICE NAME	514 PHYSICAL BLOCK NUMBER
FS0-0	/control.dat	0-1023	Pdisk0-0	4096-5119
	/VF/VF1.dat	0-2047	Pdisk0-1	1024-3071
	/VF/VF1.dat	2048-4095	Pdisk0-0	8192-10239
	Empty	-	Pdisk0-0	40960-122880
FS0-1	/VF/VF3.dat	0-10239	Pdisk0-1	10240-20479
⋮	⋮	⋮	⋮	⋮

FILE PHYSICAL STORAGE POSITION INFO.

1001 FILE SYSTEM NAME	1002 FILE PATH NAME	1021 MIGRATION FILE BLOCK NUMBER	783 MIGRATION DESTINATION PHYSICAL STORAGE DEVICE NAME	784 MIGRATION DESTINATION PHYSICAL BLOCK NUMBER	785 DIFFERENCE MANAGEMENT INFO.	786 COPY POINTER
FS0-1	/data1.dat	8192-10239	Pdisk0-1	38912-40959	0 1 ... 0	9840
FS0-2	/dataA.dat	0-8191	Pdisk0-1	30720-38911	0 0 ... 1	1709
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FILE DATA MIGRATION MANAGEMENT INFO.

FILE STORAGE MANAGEMENT INFO.

FIG.34

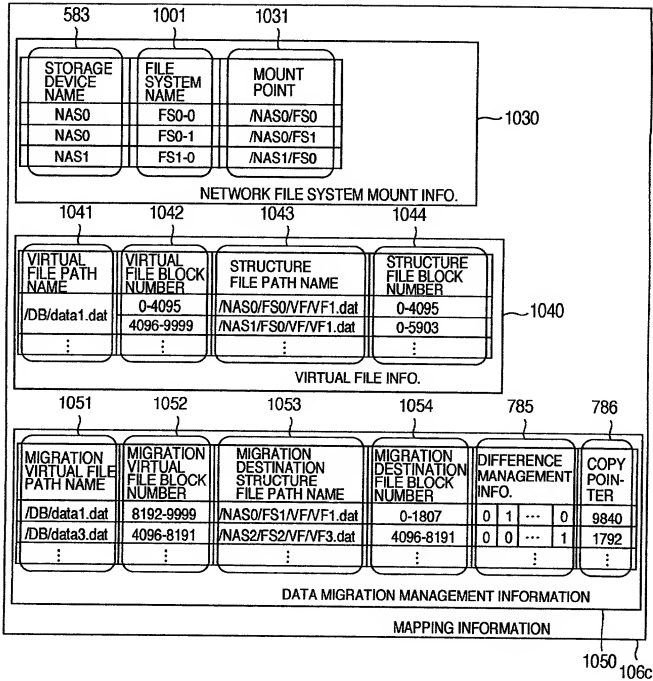


FIG.35

STORAGE DEVICE NAME		Disk0	Disk0	Disk0	...	Disk2	...	583
FILE SYSTEM NAME		Vol0-0	Vol0-0	Vol0-1	...	Vol2-0	...	1001
PHYSICAL STORAGE DEVICE NAME		Pdisk0-0	Pdisk0-1	Pdisk0-0	...	Pdisk2-0	...	502
OLD CUMULATIVE OPERATION TIME		23917390	38902849	8012891	...	128928479	...	593
OPERATION RATE	2000/4/1 12:00~ 2000/4/1 12:15	20%	12%	4%	...	50%	...	594
	2000/4/1 12:15~ 2000/4/1 12:30	15%	10%	7%	...	40%	...	
	2000/4/1 12:30~ 2000/4/1 12:45	16%	9%	5%	...	43%	...	
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	
PREVIOUS CUMULATIVE OPERATION TIME ACQUISITION TIME		595		STORAGE DEVICE OPERATION INFO.				132c

FIG.36

583	601	602	604c
STORAGE DEVICE NAME	MIGRATION FUNCTION INFO.	DATA CACHE CAPACITY	STORAGE DEVICE FILE PHYSICAL STORAGE POSITION INFORMATION
NAS0	WITH	4096MB	FILE PHYSICAL STORAGE POSITION INFO. 510C IN NAS0,
NAS1	WITHOUT	4096MB	FILE PHYSICAL STORAGE POSITION INFO. 510C IN NAS1
⋮	⋮	⋮	
STORAGE DEVICE STRUCTURE INFO.			
134c			

FIG.39

